



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of

Walton et al

Serial No. 10/725,904

Filed: December 1, 2003

For: METHOD AND APPARATUS FOR  
PROVIDING AN EFFICIENT  
CONTROL CHANNEL  
STRUCTURE IN A WIRELESS  
COMMUNICATIONS SYSTEM

) Examiner:  
) Group No.

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit herewith, in accordance with 37 CFR § 1.98, the patents, publications and other information listed on the enclosed Form PTO-1449.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

☒ deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: May 19, 2005

Depositor's Name Susanna Vargas  
(type or print name)

Signature:

FACSIMILE

☐ transmitted by facsimile to the Patent and Trademark Office.

Date: \_\_\_\_\_

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05/24/2005 EFLORES 00000060 170026 10725904

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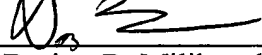
The references submitted herewith are those of which Applicants are aware, which they believe may be material to the examination of this application and, with respect to which there may be a duty to disclose in accordance with 37 CFR § 1.56. While the references identified may be material to the examination of this application pursuant to 37 CFR § 1.56, the citation of these references is not intended to constitute an admission that any reference referred to herein is prior art to the invention of this application unless specifically designated as such. Additionally, the filing of this Information Disclosure Statement shall not be construed to mean that any search has been made or, that if made, such search was complete or exhaustive, or that no other material information as defined in 37 CFR § 1.56 exists.

This Information Disclosure Statement is being submitted in accordance with 37 CFR § 1.97(c). A list of the references is set forth on Form PTO-1449, which is enclosed herewith; along with a copy of each cited reference (copies of U.S. references are not enclosed). Applicants respectfully request that the Examiner return to Applicants a copy of the Form PTO-1449 indicating consideration of the references cited thereon.

Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated in the amount of \$180.00 for the fee set forth in 37 CFR § 1.17(p). The Commissioner is hereby further authorized to charge payment of any additional fees that may be required, or credit any overpayment, to Deposit Account No. 17-0026. A duplicate of this sheet is enclosed.

Respectfully submitted,

Dated: May 19, 2005

By:   
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FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

030412

10/725,904

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Walton et al

FILING DATE

December 1, 2003

GROUP

DATE MAILED: May 19, 2005

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB<br>CLASS | FILING DATE<br>IF<br>APPROPRIATE |
|----------------------|----|-----------------|------|------|-------|--------------|----------------------------------|
|                      | A1 |                 |      |      |       |              |                                  |
|                      | A2 |                 |      |      |       |              |                                  |
|                      | A3 |                 |      |      |       |              |                                  |
|                      | A4 |                 |      |      |       |              |                                  |
|                      | A5 |                 |      |      |       |              |                                  |
|                      | A6 |                 |      |      |       |              |                                  |

## U.S. PATENT APPLICATION PUBLICATION DOCUMENTS

| *EXAMINER<br>INITIAL |    | PUBLICATION NUMBER | PUB.<br>DATE | NAME       | CLASS | SUB<br>CLASS | FILING DATE<br>IF<br>APPROPRIATE |
|----------------------|----|--------------------|--------------|------------|-------|--------------|----------------------------------|
|                      | B1 | 2002/0071445 A1    | 6/13/02      | Wu et al   | 370   | 441          |                                  |
|                      | B2 | 2003/0147371 A1    | 8/7/03       | Choi et al | 370   | 341          |                                  |
|                      | B3 | 2003/0157953 A1    | 8/21/03      | Das et al  | 455   | 522          |                                  |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | Ref<br>No | DOCUMENT NUMBER | DATE   | COUNTRY | NAME                    | CLASS | SUB<br>CLASS |
|---------------------|-----------|-----------------|--------|---------|-------------------------|-------|--------------|
|                     | C1        | WO 03/010984 A1 | 2/6/03 | PCT     | Nortel Networks Limited |       |              |
|                     | C2        |                 |        |         |                         |       |              |
|                     | C3        |                 |        |         |                         |       |              |
|                     | C4        |                 |        |         |                         |       |              |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

|   |    |  |
|---|----|--|
|   | D1 | ETSI Standards, European Telecommunications Standards Institute, “Broadband Radio Access Networks (BRAN); IPERLAN Type 2; Data Link Control (DLC) Layer; Part 1: Basic Data Transport Functions”, 12/01, pgs 12-14, pg 16, pg 18-36, pg 48-53, pgs 82-86 |
|   | D2 |  |
|   | D3 |  |
| EXAMINER  |    | DATE CONSIDERED  |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |    |  |

